STIC Search Report
EIC 1700

STIC Database Tracking Number: 153546

TO:	From:
Eisa Elhilo Location: 9A60 Art Unit : 1751 May 25, 2005 Case Serial Number: 10/602399	Kathleen Fuller Location: EIC 1700 REMSEN 4B28 Phone: 571/272-2505 Kathleen.Fuller@uspto.gov

Search Notes

STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact ***the EIC searcher or contact:***

Kathleen Fuller, EIC 1700 Team Leader
571/272-2505 REMSEN 4B28

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 1713*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (journal articles, conference proceedings, new product announcements etc.)

- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC1700 REMSEN 4B28

=> file reg
FILE 'REGISTRY' ENTERED AT 16:14:01 ON 24 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 23 MAY 2005 HIGHEST RN 850992-92-6
DICTIONARY FILE UPDATES: 23 MAY 2005 HIGHEST RN 850992-92-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
****

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> file hcaplus
FILE 'HCAPLUS' ENTERED AT 16:14:06 ON 24 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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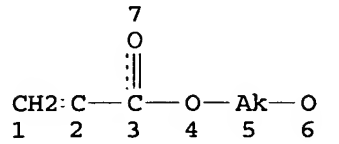
FILE COVERS 1907 - 24 May 2005 VOL 142 ISS 22
FILE LAST UPDATED: 23 May 2005 (20050523/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

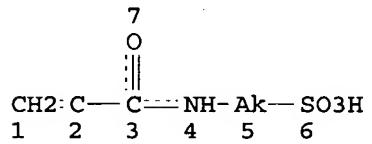
=> d que
L48 STR 1



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE
L49 STR 2



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

1,449 polymers from structure queries 1 and 2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE
L51 SCR 2043
L53 1449 SEA FILE=REGISTRY SSS FUL L48 AND L49 AND L51
L54 985 SEA FILE=HCAPLUS ABB=ON L53
L55 24 SEA FILE=HCAPLUS ABB=ON L54 AND (HAIR OR KERAT?)

24 CA references with utility

=> d l55 bib abs ind hitstr 1-24

L55 ANSWER 1 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:1126610 HCAPLUS
DN 142:62293
TI Method and compositions for coloring **hair** with taurate copolymers
IN Yang, Jiang
PA Unilever Home & Personal Care Usa, Division of Conopco, Inc., USA
SO U.S. Pat. Appl. Publ., 7 pp.
CODEN: USXXCO
DT Patent
LA English

applicant

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004255399	A1	20041223	US 2003-602399	20030623
	WO 2004112736	A1	20041229	WO 2004-EP6241	20040608

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

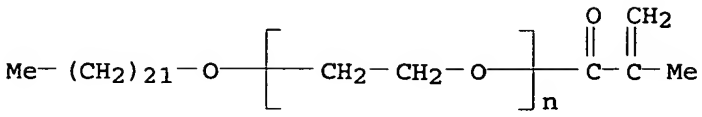
PRAI US 2003-602399 A 20030623

AB A method and composition are provided for coloring **hair**. The method includes applying and thereafter removing from the **hair** a composition which includes a dye formulation incorporating an oxidation dye precursor and a developer formula incorporating an alkoxylated taurate copolymer in combination with hydrogen peroxide. The dye and developer formulations are applied to the **hair** sep. or together in a relative weight ratio of 10:1 to 1:10. Particularly preferred alkoxylated taurate copolymers are hydrophobically modified copolymers of acrylamidopropanesulfonic acid or salt and methacrylate esters of ethoxylated or propoxylated fatty alcs. Thus, a formulation contained Aristoflex-HMB 0.5, 50% H2O2 12, phosphoric acid 0.05, and water qs to 100%. Aristoflex-HMB imparts an effective stability to a hydrogen peroxide system.

IC ICM A61K007-13
INCL 008405000
CC 62-3 (Essential Oils and Cosmetics)
ST taurate polymer **hair** dye
IT **Hair**
(compns. containing taurate copolymers for coloring **hair**)
IT **Hair** preparations
(dyes, oxidative; compns. containing taurate copolymers for coloring **hair**)
IT **Hair** preparations
(dyes; compns. containing taurate copolymers for coloring **hair**)
IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty, ethoxylated, esters with methacrylic acid; compns. containing taurate copolymers for coloring **hair**)
IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty, propoxylated, esters with methacrylic acid; compns. containing taurate copolymers for coloring **hair**)
IT 79-41-4D, Methacrylic acid, esters, polymers 7722-84-1, Hydrogen peroxide, biological studies **766540-87-8**, Aristoflex HMB
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(compns. containing taurate copolymers for coloring **hair**)
IT **766540-87-8**, Aristoflex HMB
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(compns. containing taurate copolymers for coloring **hair**)
RN 766540-87-8 HCAPLUS
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monoammonium salt, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-(docosyloxy)poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

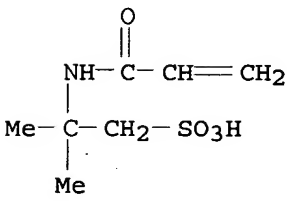
CM 1

CRN 115047-92-2
CMF (C2 H4 O)n C26 H50 O2
CCI PMS



CM 2

CRN 58374-69-9
CMF C7 H13 N O4 S . H3 N



● NH_3

L55 ANSWER 2 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:816587 HCAPLUS
DN 141:319532
TI Skin compositions containing specified methacrylic copolymer thickening agents
IN Sato, Yoshiko; Yoshida, Katsunori
PA Shiseido Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 32 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004277384	A2	20041007	JP 2003-74537	20030318
PRAI	JP 2003-74537		20030318		

AB The invention relates to a skin composition providing excellent feeling in the use while maintaining sufficient and stable viscosity, wherein the composition is characterized by a copolymer consisting of a monomer A R1C(:CH2)COO-M+ and monomer B R2C(:CH2)COO(R3O)nR4 (R1, R2 = H, C1-3 alkyl; M = H, monovalent metal; R3 = C1-3 alkylene; R4 = C1-4 alkyl; n = 1-3) as a thickening agent. A copolymer was prepared from sodium acrylate and diethylene glycol Me ether methacrylate, and mixed with other ingredients at 2 % to obtain a cleansing foam.
IC ICM A61K007-00
ICS A61K007-02; A61K007-025; A61K007-032; A61K007-04; A61K007-047; A61K007-11; A61K007-42; C08F220-28; C08L033-14
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 37
ST ethylene glycol ether methacrylate copolymer thickener cosmetic
IT Cosmetics
(cleansing; skin compns. containing alkylene glycol alkyl ether

methacrylate copolymer thickening agents)
IT Cosmetics
Hair preparations
(creams; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(emollients; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(emulsions; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(eye shadows; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(foams, cleansing; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(foundations; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(gels; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(lipsticks; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(lotions; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(moisturizers; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(nail lacquers; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(packs; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Sunscreens
Thickening agents
(skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT Cosmetics
(skin-lightening; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT **Hair** preparations
(styling; skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)
IT 111-77-3, Diethyleneglycol methyl ether 920-46-7, Methacrylic acid chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of alkylene glycol alkyl ether methacrylate copolymer thickening agents for skin compns.)
IT 45103-58-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)
(preparation of alkylene glycol alkyl ether methacrylate copolymer thickening agents for skin compns.)

IT 105523-91-9P 769143-16-0P 769143-17-1P **769143-19-3P**
769143-21-7P 769143-23-9P 769143-24-0P 769143-26-2P 769143-28-4P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)

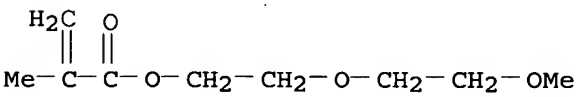
IT **769143-19-3P**
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(skin compns. containing alkylene glycol alkyl ether methacrylate copolymer thickening agents)

RN 769143-19-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(2-methoxyethoxy)ethyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

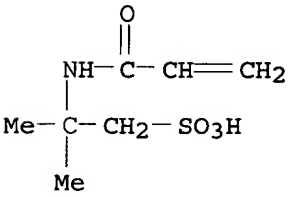
CM 1

CRN 45103-58-0
CMF C9 H16 O4



CM 2

CRN 5165-97-9
CMF C7 H13 N O4 S . Na



● Na

L55 ANSWER 3 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:472072 HCAPLUS
DN 141:42526
TI Oxidizing **hair** compositions comprising a mixture of polymers containing a copolymer of hydroxylated acrylate and 2-acrylamido-2-methylpropanesulfonic acid
IN Legrand, Frederic; Kravtchenko, Sylvain
PA L'oreal, Fr.
SO Fr. Demande, 21 pp.

CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2848109	A1	20040611	FR 2002-15547	20021209
	FR 2848109	B1	20050304		
PRAI	FR 2002-15547		20021209		

AB An oxidizing composition for human **hair** fibers comprises an oxidizing agent such as hydrogen peroxide, a copolymer based on 2-acrylamido-2-methylpropanesulfonic acid and acrylic acid or based on 2-acrylamido-2-methylpropanesulfonic acid and a hydroxylated C1-4 alkyl acrylate and a polymer selected from crosslinked 2-acrylamido-2-methylpropane sulfonic acid polymers. The invention also relates to the processes and devices of permanent **hair** dyeing. Thus, a formulation contained Hostacerin AMPS 1.5, Simulgel EG 1, oxygenated water 6%, an agent for inducing the pH to 3.4 qs, and water qs to 100 g.

IC ICM A61K007-13
ICS A61K007-135; A61K007-09

CC 62-3 (Essential Oils and Cosmetics)

ST oxidizing **hair** polymer hydroxylated acrylate acrylamidomethylpropanesulfonate

IT **Hair** preparations
(dyes, oxidative; oxidizing **hair** compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)

IT **Hair**
Hair preparations
Human
Molecular weight distribution
Oxidizing agents
(oxidizing **hair** compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)

IT **Hair** preparations
(permanent wave; oxidizing **hair** compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)

IT 7722-84-1, Hydrogen peroxide, biological studies 27119-07-9, 2-Acrylamido-2-methylpropanesulfonic acid homopolymer 40623-75-4, Acrylic acid-2-Acrylamido-2-methylpropanesulfonic acid copolymer **105632-07-3**, 2-Hydroxyethyl methacrylate-sodium 2-acrylamido-2-methylpropanesulfonate copolymer 121601-24-9, Hostacerin AMPS **501084-04-4**, Simulgel NS 501084-84-0, Simulgel EG 701292-01-5, Aristoflex HMS
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidizing **hair** compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)

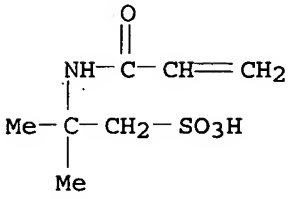
IT **105632-07-3**, 2-Hydroxyethyl methacrylate-sodium 2-acrylamido-2-methylpropanesulfonate copolymer **501084-04-4**, Simulgel NS
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidizing **hair** compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)

RN 105632-07-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

CM 1

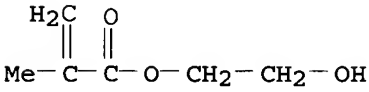
CRN 5165-97-9
CMF C7 H13 N O4 S . Na



● Na

CM 2

CRN 868-77-9
CMF C6 H10 O3



RN 501084-04-4 HCAPLUS
CN Sorbitan, monooctadecanoate, poly(oxy-1,2-ethanediyl) derivs., mixt. with 2,6,10,15,19,23-hexamethyltetracosane and 2-hydroxyethyl 2-propenoate polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

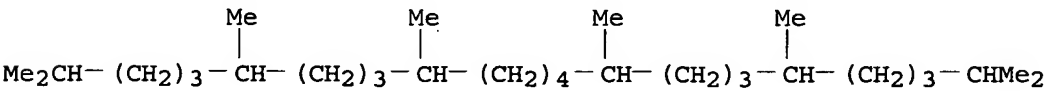
CM 1

CRN 9005-67-8
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 111-01-3
CMF C30 H62



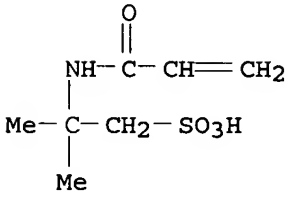
CM 3

CRN 111286-86-3
CMF (C7 H13 N O4 S . C5 H8 O3 . Na)x

CCI PMS

CM 4

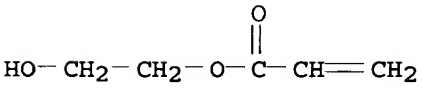
CRN 5165-97-9
CMF C7 H13 N O4 S . Na



● Na

CM 5

CRN 818-61-1
CMF C5 H8 O3



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L55 ANSWER 4 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:32593 HCAPLUS
DN 140:99260
TI **Hair** dyes containing vegetable dyes and acrylic polymers
IN Yoshioka, Masato; Takitani, Aiko; Adachi, Takashi
PA Seiwa Kasei Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

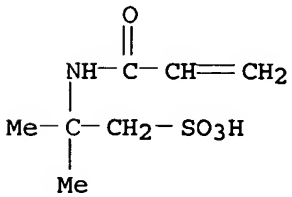
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2004010556	A2	20040115	JP 2002-168046	20020610
PRAI JP 2002-168046		20020610		

AB **Hair** dyes contain dyes mainly comprising vegetable dyes and acrylamide polymers and/or acrylate polymers. A **hair** dye containing acrylamide-neutralized 2-acrylamido-2-methylpropanesulfonic acid crosslinked copolymer 2.00, chamomile extract 10.00, Cu-chlorophyllin Na salt 0.50, hydrogenated polyisobutene 1.20, polyoxyethylene lauryl ether 0.30, 29% cetyltrimethylammonium chloride 1.72, 25% stearyltrimethylammonium chloride 2.00, and H2O to 100 weight% showed high viscosity, no separation after 7-day storage at 25°, and good **hair**-dyeing performance.

IC ICM A61K007-13
ICS A61K007-00
CC 62-3 (Essential Oils and Cosmetics)
ST **hair** dye vegetable acrylamide acrylate polymer; chamomile **hair** dye acrylamidomethylpropanesulfonate acrylamide polymer
IT Lawsonia inermis
(dry leaf powder, dye; storage-stable viscous **hair** dyes containing vegetable dyes and acrylic polymers)
IT Camellia sinensis
Chamomile
Haematoxylon campechianum
(dye; storage-stable viscous **hair** dyes containing vegetable dyes and acrylic polymers)
IT **Hair** preparations
(dyes; storage-stable viscous **hair** dyes containing vegetable dyes and acrylic polymers)
IT Human
Thickening agents
(storage-stable viscous **hair** dyes containing vegetable dyes and acrylic polymers)
IT 79-06-1D, Acrylamide, polymers with 2-acrylamido-2-methylpropanesulfonic acid salts 15214-89-8D, 2-Acrylamido-2-methylpropanesulfonic acid, salts, polymers with acrylamide
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(crosslinked; storage-stable viscous **hair** dyes containing vegetable dyes and acrylic polymers)
IT 28214-57-5, Ammonium acrylate polymer 37350-42-8 38193-60-1 68651-46-7, Indigo dye **111286-86-3**, Acryloyldimethyltaurine sodium salt-hydroxyethyl acrylate copolymer
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(storage-stable viscous **hair** dyes containing vegetable dyes and acrylic polymers)
IT **111286-86-3**, Acryloyldimethyltaurine sodium salt-hydroxyethyl acrylate copolymer
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(storage-stable viscous **hair** dyes containing vegetable dyes and acrylic polymers)
RN 111286-86-3 HCAPLUS
CN 2-Propenoic acid, 2-hydroxyethyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

CM 1

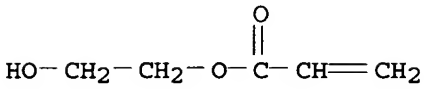
CRN 5165-97-9
CMF C7 H13 N O4 S . Na



● Na

CM 2

CRN 818-61-1
CMF C5 H8 O3



L55 ANSWER 5 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:892011 HCAPLUS
DN 139:369368
TI Cosmetic composition with a silicone elastomer and a thickening polymer latex
IN Augustin-Castro, Barbara; Waldmann-Laue, Marianne; Blumenkamp, Elke
PA Henkel Kommanditgesellschaft auf Aktien, Germany
SO Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1360955	A2	20031112	EP 2003-10016	20030502
	EP 1360955	A3	20040204		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	DE 10220867	A1	20031120	DE 2002-10220867	20020510
PRAI	DE 2002-10220867	A	20020510		

AB The invention concerns cosmetic compns. that include a silicone elastomer and a thickening inverse or auto-inversible polymer latex composed of an oily phase, an aqueous phase, at least one oil-in-water emulsifier and a linear or branched polyelectrolyte selected from the group of: (i) a homopolymer, composed of monomers that contain weak acid functional groups partially or completely neutralized; or (ii) a copolymer composed of monomers with strong acid functional groups and a neutral monomer or a monomer with weak acidic function. The ingredients are included in **hair** prepns., skin care products and deodorants. Thus an O/W cream contained (weight/weight%): soy lecithin 0.50; isopropylstearate 2.00; Myritol 318 1.00; tocopherol acetate0.50; Cutina MD-V 1.00; dimethicone 5.00; propylparaben 0.20; wheat protein hydrolyzate 1.00; Dow Corning 9040 1.00; glycerin 5.00; 1,6-hexanediol 6.00; methylparaben 0.20; Tego Carbomer (2%) 15.00; dimethylsilanol hyaluronate 0.20; extract of algae 1.00; 1,2-propylene glycol 5.00; dimethylmethoxychromanol-6 0.01; Simulgel NS 2.00; sodium hydroxide (10%) 0.23; mica 3.00; water to 100.

IC ICM A61K007-06
ICS A61K007-48
CC 62-4 (Essential Oils and Cosmetics)
ST cosmetic compn silicone elastomer thickening polymer latex
IT Skin, disease
(aging; cosmetic composition with a silicone elastomer and a thickening polymer latex)
IT Deodorants (personal)
Hair preparations
Latex

Thickening agents
(cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT Hydrocarbon oils
Polysiloxanes, biological studies
Silicone rubber, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT Cosmetics
(creams; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT Castor oil
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ethoxylated; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT Castor oil
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hydrogenated, ethoxylated; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT Emulsifying agents
(oil in water; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT Emulsions
(oil-in-water; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT Amino acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(salts with acids; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT 155665-02-4 155665-02-4D, trimethylsilyl-terminated 156048-35-0D, dimethylvinylsilyl-terminated 156118-35-3D, cyclized or trimethylsilyl-terminated derivs. 156395-52-7D, dimethylvinylsilyl-terminated 156787-84-7D, dimethylvinylsilyl-/trimethylsilyl- terminated
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(assumed monomers; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT 111-01-3, Squalane 112-53-8, Lauryl alcohol 141-43-5D, Ethanolamine, salts with acids 541-02-6, Dow Corning 245 1337-30-0, Sorbitan laurate 7440-09-7D, Potassium, salts 7440-23-5D, Sodium, salts 9003-27-4D, Polyisobutene, hydrogenated 9003-39-8, Polyvinylpyrrolidone 9005-65-6 9006-65-9, Dimethicone 14798-03-9D, Ammonium, salts 26403-67-8 28323-46-8, Methylvinyl siloxane 59942-04-0 84668-17-7 135507-00-5, Dimethylsilanol hyaluronate 344781-69-7, Dow Corning 9040 **501084-04-4**, Simulgel NS
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT 79-10-7, Acrylic acid, biological studies 79-41-4, Methacrylic acid, biological studies 97-65-4, Itaconic acid, biological studies 110-16-7, Maleinic acid, biological studies 818-61-1, 2-Hydroxyethyl acrylate 868-77-9, 2-Hydroxyethyl methacrylate 5919-74-4, 2,3-Dihydroxypropyl methacrylate 10095-20-2, 2,3-Dihydroxypropyl acrylate 80407-06-3, 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(used in polymer formulation; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT **501084-04-4**, Simulgel NS
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic composition with a silicone elastomer and a thickening polymer latex)

RN 501084-04-4 HCAPLUS

CN Sorbitan, monooctadecanoate, poly(oxy-1,2-ethanediyl) derivs., mixt. with 2,6,10,15,19,23-hexamethyltetracosane and 2-hydroxyethyl 2-propenoate polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

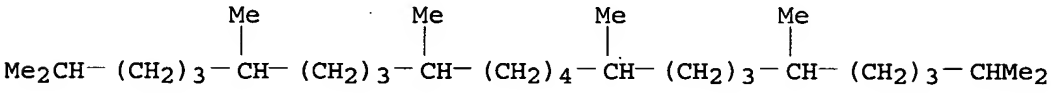
CM 1

CRN 9005-67-8
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 111-01-3
CMF C30 H62

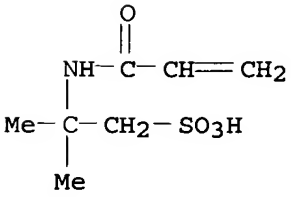


CM 3

CRN 111286-86-3
CMF (C7 H13 N O4 S . C5 H8 O3 . Na)x
CCI PMS

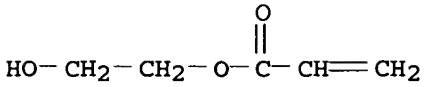
CM 4

CRN 5165-97-9
CMF C7 H13 N O4 S . Na



CM 5

CRN 818-61-1
CMF C5 H8 O3



L55 ANSWER 6 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:904374 HCAPLUS
DN 138:4886
TI Water-soluble polymers with water-soluble backbone and side units having LCST in water, process for their preparation, aqueous compositions containing them and their use in the field of cosmetics
IN L'alloret, Florence
PA L'oreal, Fr.
SO Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

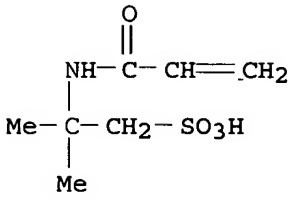
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1260531	A1	20021127	EP 2002-291195	20020514
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	FR 2824832	A1	20021122	FR 2001-6450	20010516
	CA 2386016	AA	20021116	CA 2002-2386016	20020506
	US 2002198328	A1	20021226	US 2002-145142	20020515
	US 6689856	B2	20040210		
	JP 2003026737	A2	20030129	JP 2002-141093	20020516
	CN 1398905	A	20030226	CN 2002-119920	20020516
PRAI	FR 2001-6450	A	20010516		

AB Title polymers, useful in cosmetics, are manufactured by radical polymerization of water-soluble monomers and macromers having a repeating unit with LCST of which the temperature of demixing by heating an aqueous solution is 5-40° for a 1% of this unit in water. A typical polymer was manufactured by radical polymerization of 84 g AMPS ammonium salt with 36 g acrylamide derivative of Jeffamine M2005 (ethylene oxide-propylene oxide copolymer 2-aminopropyl Me ether) in tert-BuOH at 60°.
IC ICM C08F290-06
ICS C08F290-04; A61K007-48; A61K007-06
CC 35-8 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 62
ST water soluble polyelectrolyte cosmetic; AMPS ammonium salt polyoxyalkylene acrylamide terminated copolymer manuf
IT Polyoxyalkylenes, preparation
RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(acrylic, graft; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)
IT Cosmetics
(creams; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)
IT Cosmetics
(foams; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)
IT Macromonomers
RL: COS (Cosmetic use); IMF (Industrial manufacture); RCT (Reactant); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(for manufacture of water-soluble graft polymers with water-soluble backbones and
side units having LCST in water for cosmetics)
IT Cosmetics
(makeups; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)
IT Cosmetics
(moisturizers; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)
IT **Hair** preparations
Hydrogels
Polyelectrolytes
(water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)
IT Polymers, preparation
RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(water-soluble; water-soluble graft polymers with water-soluble backbones and
side units having LCST in water for cosmetics)
IT 79-10-7DP, Acrylic acid, reaction products with ethylene oxide-propylene oxide copolymer Me aminopropyl ether 79-41-4DP, Methacrylic acid, reaction products with polyisopropylacrylamide 25189-55-3DP, Poly-N-isopropylacrylamide, reaction products with methacrylic acid 83713-01-3DP, Jeffamine M2005, reaction products with acrylic acid 135808-14-9P
RL: COS (Cosmetic use); IMF (Industrial manufacture); RCT (Reactant); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(macromonomer; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)
IT 476490-64-9P **476490-65-0P** 476490-66-1P 476490-67-2P
RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)
IT **476490-65-0P**
RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)
RN 476490-65-0 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with N-ethenylacetamide, methyloxirane, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monoammonium salt and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

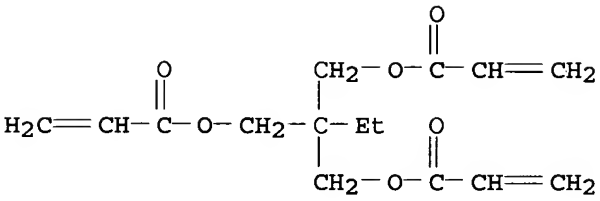
CRN 58374-69-9
CMF C7 H13 N O4 S . H3 N



● NH_3

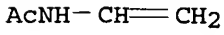
CM 2

CRN 15625-89-5
CMF C15 H20 O6



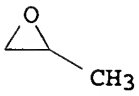
CM 3

CRN 5202-78-8
CMF C4 H7 N O



CM 4

CRN 75-56-9
CMF C3 H6 O



CM 5

CRN 75-21-8
CMF C2 H4 O

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L55 ANSWER 7 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:428955 HCAPLUS
DN 137:24142
TI Surfactant-free cosmetic, dermatological and pharmaceutical agents
IN Loeffler, Matthias; Morschhaeuser, Roman
PA Clariant Gmbh, Germany
SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002044231	A1	20020606	WO 2001-EP13860	20011128
	W: BR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10059821	A1	20020613	DE 2000-10059821	20001201
	JP 2002201111	A2	20020716	JP 2001-295992	20010927
	EP 1339766	A1	20030903	EP 2001-998570	20011128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	BR 2001015810	A	20030916	BR 2001-15810	20011128
	US 2004109836	A1	20040610	US 2003-433175	20031117
PRAI	DE 2000-10059821	A	20001201		
	WO 2001-EP13860	W	20011128		

AB The invention relates to surfactant-free cosmetic, dermatol. and pharmaceutical agents that contain at least one copolymer, obtainable by radical copolymn. of (A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, (B) optionally one or more other olefinically unsatd., non-cationic comonomers, (C) optionally one or more olefinically unsatd., cationic comonomers, (D) optionally one or more silicon-containing component(s), (E) optionally one or more fluorine-containing component(s), and (F) optionally one or more macromonomers, with the copolymn. optionally proceeding in the presence of (G) at least one polymer additive, with the proviso that component (A) is copolymd. with at least one component selected from groups (D) to (G). A typical skin lotion with **keratolytic** action contained 1.0% polymer prepared by polymerization of 80 g AMPS and 0.6 g allyl methacrylate in the presence of 20 g Genapol LA040 (polyethylene glycol C12-14 alkyl ether), 4% mineral oil, 4% almond oil, 8% Cetiol SN, 0.3% Aristoflex AVC, 0.3% citric acid, 0.4% malic acid, 0.7% glycolic acid, 0.7% lactic acid, and 0.3% perfume, with the remainder being water.

IC ICM C08F291-00
ICS A61K007-48; A61K007-06; C08F290-06; C08L051-00; C08F002-00
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 63
ST surfactant free cosmetic acryloyldimethyltaurate based polymer contg; allyl methacrylate copolymer polyoxyethylene alkyl ether modified skin lotion; skin lotion AMPS copolymer polyoxyethylene alkyl ether modified
IT Alcohols, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or

engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C12-14, ethoxylated, Genapol LA 040, esters, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Cosmetics
(conditioners; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(ethers, alkyl, reaction products, with acryloyldimethyltaurate-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fatty alkyl ethers, esters, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Cosmetics
(moisturizers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(polyoxyalkylene-, Y-12867, esters, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(polysiloxane-, Y-12867, esters, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(reaction products with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(reaction products, with acryloyldimethyltaurate-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Drugs
(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Fluoropolymers, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation);

USES (Uses)
(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Alcohols, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(tallow, ethoxylated, Genapol T-250, esters, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT 1873-88-7DP, polyoxyalkylene derivs., esters, with acryloyldimethyltaurine acid-based polymers 9003-01-4DP, Polyacrylic acid, reaction products with acryloyldimethyltaurine acid-based polymers 9003-05-8DP, Polyacrylamide, reaction products with acryloyldimethyltaurine acid-based polymers 9003-39-8DP, Poly-N-vinylpyrrolidone, reaction products with acryloyldimethyltaurine acid-based polymers 25087-26-7DP, Polymethacrylic acid, reaction products with acryloyldimethyltaurine acid-based polymers 25189-83-7DP, Poly-N-vinylcaprolactam, reaction products with acryloyldimethyltaurine acid-based polymers 25322-68-3DP, Polyethylene glycol, fatty alkyl ethers, esters, with acryloyldimethyltaurine acid-based polymers 25322-69-4DP, Polypropylene glycol, reaction products with acryloyldimethyltaurine acid-based polymers 26062-79-3DP, Polydiallyldimethylammonium chloride, reaction products with acryloyldimethyltaurine acid-based polymers 26161-33-1DP, Poly-2-methacryloyloxyethyltrimethylammonium chloride, reaction products with acryloyldimethyltaurine acid-based polymers 26616-03-5DP, Poly-N-vinyl-N-methylacetamide, reaction products with acryloyldimethyltaurine acid-based polymers 28408-65-3DP, Poly-N-vinylacetamide, reaction products with acryloyldimethyltaurine acid-based polymers 31851-82-8DP, Poly-N-vinylmorpholine, reaction products with acryloyldimethyltaurine acid-based polymers 50885-97-7DP, Polyhydroxymethyl methacrylate, reaction products with acryloyldimethyltaurine acid-based polymers 72018-12-3DP, Poly-N-vinylformamide, reaction products with acryloyldimethyltaurine acid-based polymers **201338-09-2DP**, 2-Acrylamido-2-methyl-1-propanesulfonic acid-TMPTA copolymer, esters with polyethylene glycol monoalkyl ethers 433922-71-5DP, 2-Acrylamido-2-methyl-1-propanesulfonic acid-allyl methacrylate copolymer, esters with polyethylene glycol monoalkyl ethers or polyoxyalkylene-polysiloxanes 434938-49-5P
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT **201338-09-2DP**, 2-Acrylamido-2-methyl-1-propanesulfonic acid-TMPTA copolymer, esters with polyethylene glycol monoalkyl ethers
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

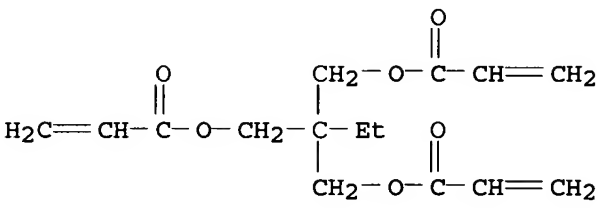
RN 201338-09-2 HCAPLUS

CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

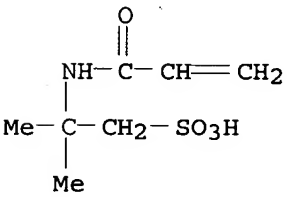
CRN 15625-89-5

CMF C15 H20 O6



CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L55 ANSWER 8 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:428675 HCAPLUS
DN 137:24113
TI Cosmetic, pharmaceutical and dermatological products
IN Loeffler, Matthias; Morschhaeuser, Roman
PA Clariant Gmbh, Germany
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002043689	A2	20020606	WO 2001-EP13867	20011128
	WO 2002043689	A3	20021024		
	W: BR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10059826	A1	20020613	DE 2000-10059826	20001201
	JP 2002265321	A2	20020918	JP 2001-295996	20010927
	EP 1339383	A2	20030903	EP 2001-998320	20011128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	BR 2001015843	A	20031007	BR 2001-15843	20011128
	US 2004109835	A1	20040610	US 2003-433116	20031124
PRAI	DE 2000-10059826	A	20001201		
	WO 2001-EP13867	W	20011128		

AB The invention relates to cosmetic, pharmaceutical and dermatol. products, containing at least one copolymer which is obtained by radical copolymn. of

(A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, (B) optionally, one or more addnl. olefinically unsatd., non-cationic comonomers, (C) optionally, one or more olefinically unsatd., cationic comonomers, (D) optionally, one or more components containing silicon, (E) optionally, one or more components containing fluorine and (F) optionally, one or more macromonomers, (G) the copolymn. taking place in the presence of at least one polymeric additive, (H) provided that component (A) is copolymd. with at least one component selected from one of the groups (D) to (G). The prepns. are used especially in **hair** prepns. but may be used in other cosmetics and topical pharmaceuticals as well.

IC ICM A61K007-48
ICS C08F291-00; C08F290-06; C08L051-00; C08F265-04; A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

ST acryloyldimethyltaurine copolymer cosmetic dermatol shampoo

IT Shampoos
(antidandruff; cosmetic, pharmaceutical and dermatol. products)

IT Shampoos
(baby; cosmetic, pharmaceutical and dermatol. products)

IT Fatty acids, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(coco, 2-sulfoethyl esters, sodium salts, Hostapon SCI 65; cosmetic, pharmaceutical and dermatol. products)

IT **Hair** preparations
(conditioners; cosmetic, pharmaceutical and dermatol. products)

IT **Hair** preparations
(cosmetic, pharmaceutical and dermatol. products)

IT Polyoxyalkylenes, biological studies
Polysiloxanes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(cosmetic, pharmaceutical and dermatol. products)

IT Cosmetics
(creams; cosmetic, pharmaceutical and dermatol. products)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(polyoxyalkylene-, Y 12867; cosmetic, pharmaceutical and dermatol. products)

IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(polysiloxane-, Y 12867; cosmetic, pharmaceutical and dermatol. products)

IT Polymerization
(precipitation; cosmetic, pharmaceutical and dermatol. products)

IT 9004-82-4, Genapol ZRO
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(Genapol ZRO; cosmetic, pharmaceutical and dermatol. products)

IT 75-21-8D, Ethylene oxide, polymers 75-56-9D, Propylene oxide, polymers 79-06-1D, Acrylamide, polymers 79-41-4D, Methacrylic acid, polymers 88-12-0D, polymers 2148-30-3D, polymers 2235-00-9D, N-Vinylcaprolactam, polymers 2867-47-2D, polymers 3195-78-6D, polymers 5039-78-1D, polymers 5202-78-8D, N-Vinylacetamide, polymers

5205-93-6D, polymers 7398-69-8D, polymers 13162-05-5D, N-Vinylformamide, polymers 15214-89-8 21982-30-9D, Hydroxymethylmethacrylate, polymers 44992-01-0D, polymers 45708-78-9D, polymers 48103-10-2D, polymers 51410-72-1D, Maptac, polymers 60100-84-7 60100-84-7D, derivs., polymers 62723-61-9D, polymers 68890-66-4, Octopirox 69174-85-2D, polymers 74443-97-3D, polymers **201338-09-2**
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(cosmetic, pharmaceutical and dermatol. products)

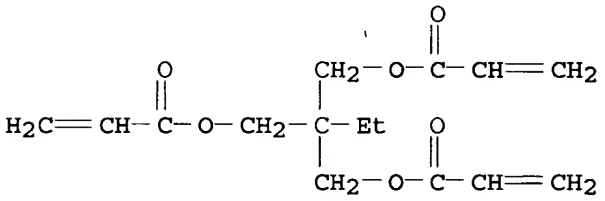
IT 75-65-0, tert-Butanol, uses
RL: NUU (Other use, unclassified); USES (Uses)
(cosmetic, pharmaceutical and dermatol. products)

IT **201338-09-2**
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(cosmetic, pharmaceutical and dermatol. products)

RN 201338-09-2 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

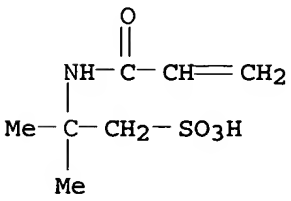
CM 1

CRN 15625-89-5
CMF C15 H20 O6



CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



L55 ANSWER 9 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:428674 HCAPLUS
DN 137:24140
TI Decorative cosmetic and dermatological products

IN Loeffler, Matthias; Morschhaeuser, Roman
PA Clariant Gmbh, Germany
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002043688	A2	20020606	WO 2001-EP13866	20011128
	WO 2002043688	A3	20021114		
	W: BR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10059818	A1	20020613	DE 2000-10059818	20001201
	JP 2002201110	A2	20020716	JP 2001-295991	20010927
	EP 1339382	A2	20030903	EP 2001-994742	20011128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	BR 2001015836	A	20030916	BR 2001-15836	20011128
	US 2004091444	A1	20040513	US 2003-433112	20031117
PRAI	DE 2000-10059818	A	20001201		
	WO 2001-EP13866	W	20011128		

AB The invention relates to decorative cosmetic and dermatol. products, containing at least one copolymer which is obtained by radical copolymn. of (A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, (B) optionally, one or more addnl. olefinically unsatd., non-cationic comonomers, (C) optionally, one or more olefinically unsatd., cationic comonomers, (D) optionally, one or more components containing silicon, (E) optionally, one or more components containing fluorine and (F) optionally, one or more macromonomers, (G) the copolymn. taking place in the presence of at least one polymeric additive, (H) provided that component (A) is copolymd. with at least one component selected from one of the groups (D) to (G). The products can be used in sunscreens, makeups, other cosmetics, and topical pharmaceuticals.

IC ICM A61K007-48
ICS C08L051-00; C08F291-00; C08F290-06; C08F265-04; C08F271-02
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 63
ST cosmetic acryloyldimethyltaurine dermatol formulation sunscreen eyelash makeup
IT Polymerization
(co-, radical; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)
IT Cosmetics
(creams; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)
IT Cosmetics
Pigments, nonbiological
Skin
Sunscreens
(decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)
IT Fluoropolymers, biological studies
Kaolin, biological studies
Mica-group minerals, biological studies
Oxides (inorganic), biological studies
Polyamides, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES

(Uses)
(decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT **Hair** preparations
(dyes; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(eye liners; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(eye shadows; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(foundations; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(gels; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(lipsticks; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(makeups; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(mascaras; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(nail lacquers; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(polyoxyalkylene-, Y 12867; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(polysiloxane-, Y 12867; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(powders; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Polymerization
(precipitation; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Drug delivery systems
(topical; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 106899-89-2P 144306-59-2P **433922-11-3P**

RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 1314-13-2, Zinc oxide, biological studies 1332-37-2, Iron oxide, biological studies 7631-86-9, Silicon dioxide, biological studies 9002-84-0, Polytetrafluoroethylene 9002-88-4, Polyethylene 11118-57-3, Chromium oxide 13463-67-7, Titanium oxide, biological studies 14807-96-6, Talc, biological studies 57455-37-5, Ultramarine blue
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 75-21-8D, Ethyleneoxide, polymers 75-56-9D, Propylene oxide, polymers 79-06-1D, Acrylamide, polymers 79-10-7D, Acrylic acid, polymers 79-41-4D, Methacrylic acid, polymers 88-12-0D, polymers 2148-30-3D, polymers 2235-00-9D, N-Vinylcaprolactam, polymers 2867-47-2 3195-78-6D, polymers 5039-78-1 5202-78-8D, N-Vinylacetamide, polymers 5205-93-6 7398-69-8 7398-69-8D, Diallyldimethylammonium chloride, polymers 13162-05-5D, N-Vinylformamide, polymers 21982-30-9D, Hydroxymethylmethacrylate, polymers 44992-01-0 45708-78-9 48103-10-2 51410-72-1D, Maptac, polymers 60100-84-7 60100-84-7D, derivs. 62723-61-9 69174-85-2 74443-97-3
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 75-65-0, tert-Butanol, uses
RL: NUU (Other use, unclassified); USES (Uses)
(decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 1309-37-1, Rouge, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(rouge; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

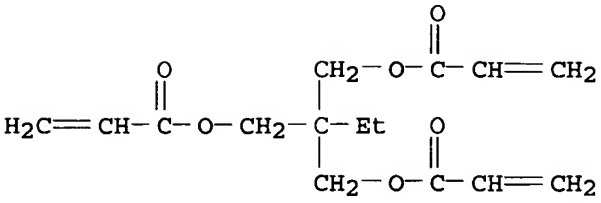
IT **433922-11-3P**
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

RN 433922-11-3 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl di-2-propenoate and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

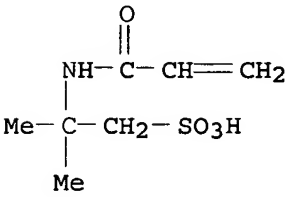
CM 1

CRN 15625-89-5
CMF C15 H20 O6



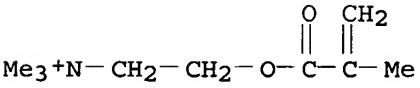
CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



CM 3

CRN 5039-78-1
CMF C9 H18 N O2 . Cl



● Cl^-

L55 ANSWER 10 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:428663 HCAPLUS
DN 137:24137
TI Cosmetic and **hair** formulations containing polymers
IN Loeffler, Matthias; Morschhaeuser, Roman; Glauder, Jan
PA Clariant Gmbh, Germany
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002043677	A2	20020606	WO 2001-EP13862	20011128
	WO 2002043677	A3	20020822		

W: BR, US
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,

PT, SE, TR
DE 10059827 A1 20020620 DE 2000-10059827 20001201
JP 2002265336 A2 20020918 JP 2001-295995 20010927
EP 1345575 A2 20030924 EP 2001-989524 20011128
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR
BR 2001015845 A 20031007 BR 2001-15845 20011128
US 2004115157 A1 20040617 US 2003-433117 20031117
PRAI DE 2000-10059827 A 20001201
WO 2001-EP13862 W 20011128

AB The invention relates to cosmetic and dermatol. **hair**-treatment agents that contain at least one copolymer, obtainable by radical copolymn. of acryloyldimethyl taurine acid and/or acryloyldimethyl taurates, optionally one or more other unsatd., no-cationic comonomers, optionally 1 or more unsatd., cationic comonomers, 1 or more silicone-containing component(s), and 1 or more fluorine-containing component(s).

Thus, a formulation contained Genaminox CSL 6.0, Cetiol HE 2.0, acrylamidopropyl-2-methyl-2-sulfonic acid-trimethylolpropane triacrylate copolymer 1.2, and water to 100%.

IC ICM A61K007-06
CC 62-4 (Essential Oils and Cosmetics)
ST **hair** formulation polymer

IT Glycols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(alkyl; cosmetic and **hair** formulations containing polymers)

IT Polyelectrolytes
(cationic; cosmetic and **hair** formulations containing polymers)

IT Antioxidants
Cosmetics
Dispersing agents
Dyes
Egg white
Emulsifying agents
Hair preparations
Pearly materials
Perfumes
Photoprotectants
Preservatives
Stabilizing agents
Sunscreens
Thickening agents
(cosmetic and **hair** formulations containing polymers)

IT Enzymes, biological studies
Lanolin
Lecithins
Peptides, biological studies
Polymers, biological studies
Polyoxyalkylenes, biological studies
Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic and **hair** formulations containing polymers)

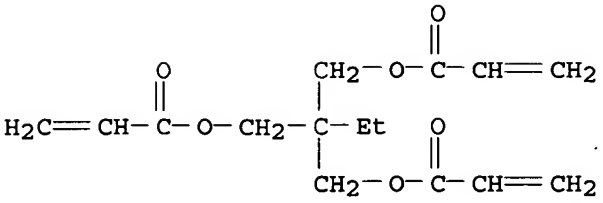
IT **Hair** preparations
(creams; cosmetic and **hair** formulations containing polymers)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
(di-Me, 3-hydroxypropyl Me, ethers with polyethylene-polypropylene glycol acetate; cosmetic and **hair** formulations containing polymers)

IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty; cosmetic and **hair** formulations containing polymers)
IT **Hair** preparations
(gels; cosmetic and **hair** formulations containing polymers)
IT **Hair** preparations
(lotions; cosmetic and **hair** formulations containing polymers)
IT Cosmetics
(moisturizers; cosmetic and **hair** formulations containing polymers)
IT **Hair** preparations
(mousses; cosmetic and **hair** formulations containing polymers)
IT **Hair** preparations
(sprays; cosmetic and **hair** formulations containing polymers)
IT 56-81-5, Glycerin, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic and **hair** formulations containing polymers)
IT 75-21-8D, Ethylene oxide, polymers 75-56-9D, Propylene oxide, polymers 79-06-1D, Acrylamide, polymers 79-10-7D, Acrylic acid, polymers 79-41-4D, MethAcrylic acid, polymers 88-12-0D, N-Vinyl-2-pyrrolidone, polymers 868-77-9D, polymers 2148-30-3D, polymers 2235-00-9D, N-Vinylcaprolactam, polymers 3195-78-6D, polymers 5202-78-8D, N-Vinylacetamide, polymers 9003-11-6 13162-05-5D, N-Vinylformamide, polymers 51410-72-1D, MAPTAC, polymers 60100-84-7D, polymers
RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
(cosmetic and **hair** formulations containing polymers)
IT 7398-69-8DP, Diallyldimethylammonium chloride, polymers
RL: COS (Cosmetic use); MOA (Modifier or additive use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic and **hair** formulations containing polymers)
IT 2867-47-2DP, Dimethylaminoethylmethacrylate, polymers 5039-78-1DP, polymers 44992-01-0DP, polymers 45708-78-9DP, polymers 48103-10-2DP, polymers 69174-85-2DP, polymers 74443-97-3DP, polymers 76847-89-7DP, Dimethylaminopropylmethacrylate, polymers 144306-59-2P **201338-09-2P** 409334-38-9DP, polymers 433922-59-9P 433922-71-5P 433922-72-6P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic and **hair** formulations containing polymers)
IT **201338-09-2P**
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic and **hair** formulations containing polymers)
RN 201338-09-2 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

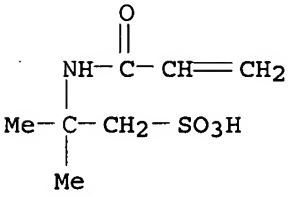
CM 1

CRN 15625-89-5
CMF C15 H20 O6



CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



L55 ANSWER 11 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:290953 HCAPLUS
DN 134:315903
TI Water-soluble thickener for cosmetic compositions
IN Kaneda, Isamu; Miyazawa, Kazuyuki; Hariki, Toshio
PA Shiseido Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2001115135	A2	20010424	JP 1999-292563	19991014
PRAI JP 1999-292563		19991014		

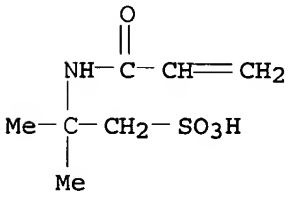
AB The invention relates to a water-soluble thickener suitable for use in a cosmetic composition providing improved use feel, wherein the thickener consists of a copolymer containing 2-acrylamide-2-methylpropane sulfonate, hydroxyethyl methacrylate and/or vinylpyrrolidone, and crosslinkable monomer. A thickener consisting of 2-acrylamide-2-methylpropane sulfonate-hydroxyethyl methacrylate-N,N'-methylene bisacrylamide copolymer was prepared, and combined with other ingredients at 0.1 % to obtain a skin-whitening lotion.

IC ICM C09K003-00
ICS A61K007-00; A61K007-48; A61K007-13; C08F220-28; C08F220-56; C08F226-08
CC 62-4 (Essential Oils and Cosmetics)
ST cosmetic thickener acrylamide methylpropane sulfonate copolymer
IT **Hair** preparations
(dyes; water-soluble thickener for cosmetic compns.)
IT Cosmetics
(gels; water-soluble thickener for cosmetic compns.)
IT Cosmetics

(lotions; water-soluble thickener for cosmetic compns.)
IT Thickening agents
(water-soluble thickener for cosmetic compns.)
IT **85824-38-0P** 335157-63-6P
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(water-soluble thickener for cosmetic compns.)
IT **85824-38-0P**
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(water-soluble thickener for cosmetic compns.)
RN 85824-38-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with N,N'-methylenebis[2-propenamide] and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

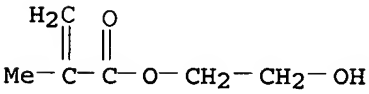
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



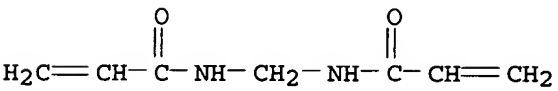
CM 2

CRN 868-77-9
CMF C6 H10 O3



CM 3

CRN 110-26-9
CMF C7 H10 N2 O2



L55 ANSWER 12 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1999:249029 HCAPLUS
DN 130:286821
TI Stable cosmetic water-in-oil-in-water emulsion containing carboxylic acid

polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid)

IN Afriat, Isabelle; Chanvin, Florence; Guiramand, Carole
PA L'Oreal, Fr.

SO Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 908170	A1	19990414	EP 1998-402250	19980911
	EP 908170	B1	20000531		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2769224	A1	19990409	FR 1997-12364	19971003
	FR 2769224	B1	20000128		
	AT 193437	E	20000615	AT 1998-402250	19980911
	ES 2149039	T3	20001016	ES 1998-402250	19980911
	CA 2246583	AA	19990403	CA 1998-2246583	19981002
	JP 11180824	A2	19990706	JP 1998-281760	19981002
	JP 3011696	B2	20000221		
	BR 9804154	A	20000328	BR 1998-4154	19981002
	US 6149900	A	20001121	US 1998-166125	19981005
PRAI	FR 1997-12364	A	19971003		

AB The title cosmetic emulsion which are used for cleansing or protection of skin, mucosa and **hair** are disclosed. Poly(2-acrylamido-2-methylpropane sulfonic acid) was crosslinked with trimethylolpropane triacrylate and neutralized with ammonia. Formulation of a triple emulsion containing 2% of above polymer is disclosed.

IC ICM A61K007-00
ICS A61K007-48
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 35, 38
ST stability cosmetic emulsion carboxylic acid polymer; crosslinking polyacrylamidomethylpropane sulfonic acid cosmetic emulsion

IT Fats and Glyceridic oils, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(animal; stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Polyoxyalkylenes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(di-Me, Me hydrogen polysiloxane-, alkyl derivs.; stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(di-Me, Me hydrogen, polyoxyalkylene-, alkyl derivs.; stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Cosmetics
(emulsions; stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(fluoro; stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hydroxy; stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))
IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(phenyltrimethyl; stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))
IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(polyhydric; stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))
IT Antioxidants
Deodorants
Dyes
Hair preparations
Mucous membrane
Perfumes
Preservatives
Sequestering agents
Solvents
Sunscreens
(stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))
IT Enzymes, biological studies
Isoalkanes
Lipids, biological studies
Paraffin oils
Polysiloxanes, biological studies
Vitamins
Waxes
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))
IT Fats and Glyceridic oils, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(vegetable; stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))
IT 50-21-5, biological studies 50-81-7, Ascorbic acid, biological studies 57-13-6, Urea, biological studies 68-26-8, Retinol 69-72-7, Salicylic acid, biological studies 76-93-7, biological studies 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 80-69-3, Tartronic acid 87-69-4, biological studies 90-64-2, Mandelic acid 110-17-8, 2-Butenedioic acid (2E)-, biological studies 127-17-3, Pyruvic acid, biological studies 153-18-4, Rutin 302-79-4, Retinoic acid 331-39-5 501-30-4, Kojic acid 526-95-4, D-Gluconic acid 544-57-0, 2-Hydroxytetracosanoic acid 547-64-8, Methyllactate 600-15-7, 2-Hydroxybutanoic acid 617-31-2, 2-Hydroxypentanoic acid 617-73-2, 2-Hydroxyoctanoic acid 629-22-1, 2-Hydroxyoctadecanoic acid 636-69-1, 2-Hydroxyheptanoic acid 685-73-4, Galacturonic acid 764-67-0, 2-Hydroxyhexadecanoic acid 828-01-3 2507-55-3, 2-Hydroxytetradecanoic acid 2984-55-6, 2-Hydroxydodecanoic acid 5393-81-7, 2-Hydroxydecanoic acid 6064-63-7, 2-Hydroxyhexanoic acid 6556-12-3, Glucuronic acid 6915-15-7, Malic acid 7664-38-2D, Phosphoric acid, glycosylated derivs., biological studies 9016-00-6,

Polydimethylsiloxane 15896-36-3, 2-Hydroxynonanoic acid 16742-48-6, 2-Hydroxyeicosanoic acid 17812-24-7, Ribonic acid 17941-34-3, Aleuritic acid 19790-86-4, 2-Hydroxyundecanoic acid 31900-57-9, Polydimethylsiloxane 191226-60-5
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT **202000-47-3P**
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))

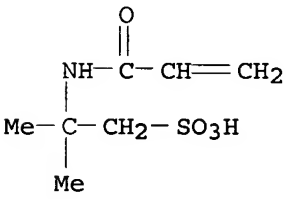
IT **202000-47-3P**
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(stable cosmetic emulsion containing carboxylic acid polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))

RN 202000-47-3 HCAPLUS

CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monoammonium salt (9CI) (CA INDEX NAME)

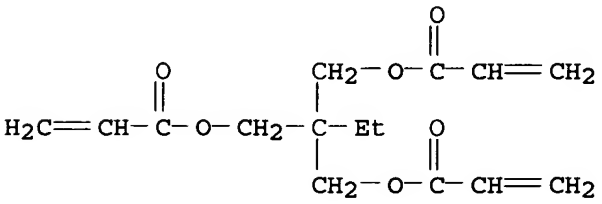
CM 1

CRN 58374-69-9
CMF C7 H13 N O4 S . H3 N



CM 2

CRN 15625-89-5
CMF C15 H20 O6



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L55 ANSWER 13 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:464300 HCAPLUS
DN 129:99804
TI Skin and **hair** compositions comprising a protein of plant and/or animal origin and a crosslinked poly(2-acrylamido 2-methylpropane sulfonic acid)
IN Lorant, Raluca
PA L'Oreal, Fr.
SO Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 850642	A1	19980701	EP 1997-403010	19971211
	EP 850642	B1	20030716		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2757767	A1	19980703	FR 1996-16132	19961227
	FR 2757767	B1	19990205		
	ES 2202566	T3	20040401	ES 1997-403010	19971211
	JP 10212226	A2	19980811	JP 1997-360903	19971226
	JP 3211876	B2	20010925		
	US 5908618	A	19990601	US 1997-998651	19971229
PRAI	FR 1996-16132	A	19961227		

AB The title compns. are claimed. 2-Acrylamido 2-methylpropane sulfonic acid was neutralized with ammonia and crosslinked with trimethylpropane triacrylate (prepare given). A skin gel contained a solution of 2% above crosslinked poly(2-acrylamido 2-methylpropane sulfonic acid) in water 2, oat proteins 7, preservatives q.s., and water q.s. 100%.
IC ICM A61K007-48
ICS A61K007-06
CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 35, 38
ST skin cosmetic protein crosslinked polyacrylamidomethylpropane sulfonate; **hair** cosmetic protein crosslinked polyacrylamidomethylpropane sulfonate
IT **Keratins**
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(agents for lysis of; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)
IT **Hair** preparations
(conditioners; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)
IT Cosmetics
(creams; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)
IT Cosmetics
(emollients; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)
IT Cosmetics
(emulsions; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)
IT Fatty acids, uses
RL: NUU (Other use, unclassified); USES (Uses)
(esters; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)
IT Glycols, uses

RL: NUU (Other use, unclassified); USES (Uses)
(ethers; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Cosmetics
(gels; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Ethers, uses
RL: NUU (Other use, unclassified); USES (Uses)
(glycol; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Dandruff
(inhibitors; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Cosmetics
(lotions; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Cosmetics
(moisturizers; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Solvents
(organic; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(polyhydric; skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Antibacterial agents
Antioxidants
Cosmetics
Dyes
Emulsifying agents
Gelation agents
Insecticides
Perfumes
Pigments, nonbiological
Preservatives
Radical scavengers
Sequestering agents
Sunscreens
Surfactants
Thickening agents
(skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Acids, biological studies
Alkali metal hydroxides
Ceramides
Polymers, biological studies
Vitamins
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Polyoxyalkylenes, uses
RL: NUU (Other use, unclassified); USES (Uses)
(skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT Protein hydrolyzates
RL: NUU (Other use, unclassified); USES (Uses)
(skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT 27119-07-9DP, Poly(2-acrylamido 2-methylpropane sulfonic acid), crosslinked and neutralized **201338-09-2P**
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT 50-70-4, D-Glucitol, uses 57-55-6D, 1,2-Propanediol, esters, uses 57-55-6D, 1,2-Propanediol, ethers, uses 107-21-1D, 1,2-Ethanediol, ethers, uses 652-67-5D, dialkyl derivs. 25322-68-3
RL: NUU (Other use, unclassified); USES (Uses)
(skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

IT 7664-41-7, Ammonia, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

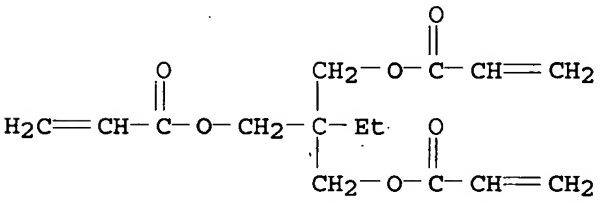
IT **201338-09-2P**
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(skin and **hair** compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid)

RN 201338-09-2 HCAPLUS

CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

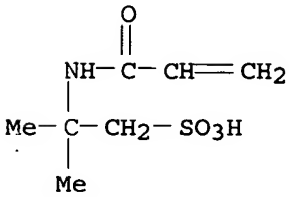
CM 1

CRN 15625-89-5
CMF C15 H20 O6



CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L55 ANSWER 14 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:198240 HCAPLUS
DN 128:208787
TI Preparation and use of ultrafine gelled and stabilized oil-in-water emulsion from crosslinked poly(2-acrylamido-2-methylpropanesulfonic acid) and neutralized to at least 90%
IN Lorant, Raluca
PA L'Oreal S. A., Fr.
SO Fr. Demande, 19 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2750329	A1	19980102	FR 1996-8111	19960628
	FR 2750329	B1	19980814		
	EP 815846	A1	19980107	EP 1997-401256	19970604
	EP 815846	B1	19981125		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	ES 2127654	T3	19990416	ES 1997-401256	19970604
	JP 10087428	A2	19980407	JP 1997-170759	19970626
	JP 2922176	B2	19990719		
	US 5952395	A	19990914	US 1997-885592	19970630
PRAI	FR 1996-8111	A	19960628		

AB Cosmetic and dermatol. compns. are prepared from ultrafine gelled and stabilized oil-in-water emulsions based on ≥90% neutralized, crosslinked poly(2-acrylamido-2-methylpropanesulfonic acid). The average size of the globules which constitute the oil phase are 50-1000 nm, and the emulsions may be prepared by phase inversion. The compns. are stable over a range of viscosities with a large variety of possible emulsifiers and oils used. The compns. may be used in skin care products, cosmetics, **hair** care formulations, sunscreens, non-therapeutic cosmetics, and in ointments and pomades for therapeutic treatment of the face, hands or skin. Thus, 2-acrylamido-2-methylpropanesulfonic acid was polymerized in the presence of trimethylolpropane triacrylate and NH3 to give a crosslinked, neutralized polymer having hydrodynamic radius 440 nm in an aqueous solution The prepared polymer was formulated with octyl palmitate, ethoxylated behenic alc., glycerin, and water to give an essentially translucent gel which was stable after 2 mo storage at ambient temperature The gel was stable at 4°, 37°, and after 1 mo at 45°.

IC ICM A61K007-48
ICS A61K007-06; A61K007-02; A61K007-42; A61K007-04; A61K009-06; A61K009-107; A61K047-32
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 37, 38, 63
ST emulsion crosslinked polyacrylamidomethylpropanesulfonate cosmetic; skin crosslinked polyacrylamidomethylpropanesulfonate emulsion; stability emulsion cosmetic polyacrylamidomethylpropanesulfonate
IT Fats and Glyceridic oils, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(animal; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol.

prepns.)
IT Cosmetics
(conditioners; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Drug delivery systems
Drug delivery systems
(emulsions, topical; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Drug delivery systems
(emulsions; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(esters, co-emulsifier; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(ethoxylated; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(fatty, C16-22, co-emulsifier; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Cosmetics
(lotions; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Emulsions
(oil-in-water; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Drug delivery systems
(ointments; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Crosslinking agents
(olefinic; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Cosmetics
Crosslinking
Emulsifying agents
Hair preparations
Sunscreens
(stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
IT Paraffin oils
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(stable oil-in-water emulsions based on crosslinked

poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

IT Fats and Glyceridic oils, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(vegetable; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

IT 15625-89-5, Trimethylolpropane triacrylate
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agent; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

IT 26636-40-8, Polyethylene glycol behenyl ether
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(emulsifying agent; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

IT 16958-85-3, Octyl palmitate
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

IT **201338-10-5P**
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

IT **201338-10-5P**
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

RN 201338-10-5 HCAPLUS

CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2
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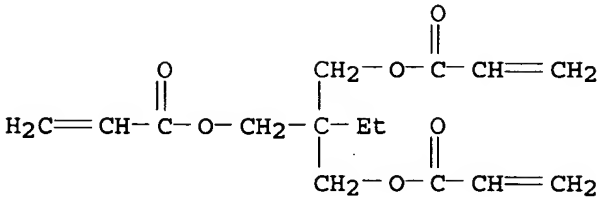
CCI PMS

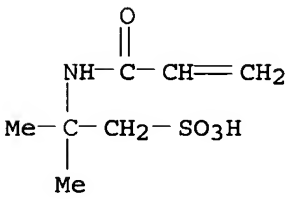
CM 2

CRN 15625-89-5
CMF C15 H20 O6



CM 3

CRN 15214-89-8
CMF C7 H13 N O4 S



L55 ANSWER 15 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:198239 HCAPLUS
DN 128:208786
TI Cosmetic and/or dermatological composition containing at least an active precursor and crosslinked poly(2-acrylamido-2-methylpropanesulfonate)
IN Sebillotte, Arnaud Laurence; Lorant, Raluca
PA L'Oreal S. A., Fr.
SO Fr. Demande, 17 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2750328	A1	19980102	FR 1996-8110	19960628
	FR 2750328	B1	19980814		
	EP 815847	A1	19980107	EP 1997-401257	19970604
	EP 815847	B1	19990414		
	R: DE, ES, FR, GB, IT				
	ES 2133000	T3	19990816	ES 1997-401257	19970604
	JP 10067641	A2	19980310	JP 1997-172562	19970627
	JP 3023078	B2	20000321		
	US 5891452	A	19990406	US 1997-885596	19970630
PRAI	FR 1996-8110	A	19960628		

AB The title composition is characterized in that it contains ≥1 active precursor which can be liberated by an enzymic reaction upon contact with the stratum corneum and ≥1 crosslinked poly(2-acrylamido-2-methylpropanesulfonate) which is ≥90% neutralized. The composition can be used in non-therapeutic cosmetic or in therapeutic formulations for skin, **hair**, nails, or mucous membranes. Thus, 2-acrylamido-2-methylpropanesulfonic acid was polymerized and crosslinked with trimethylolpropane triacrylate in the presence of NH3 to give a crosslinked, neutralized polymer having hydrodynamic radius 440 nm in aqueous

solution An astringent gel for oily skin was prepared from the prepared polymer,
Mg ascorbyl phosphate, and glycerin. The gel was perfectly transparent, gentle and refreshing on the skin.

IC ICM A61K007-48
ICS A61K007-06; A61K007-02; A61K007-42; A61K007-04; A61K007-16

CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 38, 63

ST polyacrylamidomethylpropanesulfonate crosslinked neutralized cosmetic dermatol compn; therapeutic skin formulation active precursor

IT Skin preparations (pharmaceutical)
(astringents, gels, for oily skin; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Crosslinking agents
Hair preparations
(cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Drug delivery systems
(gels, topical; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Cosmetics
(gels; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hydroxy, precursors; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Nucleotides, biological studies
Vitamins
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(precursors; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT 7439-95-4D, Magnesium, ascorbyl phosphate complexes, biological studies
23313-12-4D, magnesium complexes
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(active precursor; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT **201338-10-5P**
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT 15625-89-5, Trimethylolpropane triacrylate
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agent; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT 50-81-7D, Vitamin C, derivs. 56-81-5D, Glycerin, derivs. 117-39-5D, Quercetin, derivs. 926-43-2D, Hydroxyacetone phosphate, derivs. 1406-18-4D, Vitamin E, derivs. 11103-57-4D, Vitamin A, derivs.
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(precursors; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT **201338-10-5P**
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU

(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

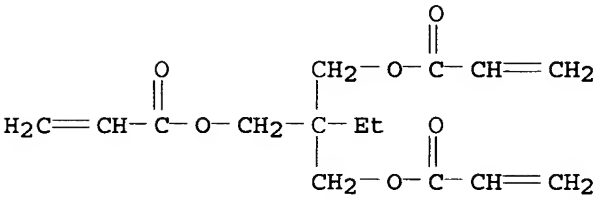
RN 201338-10-5 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2
CMF (C15 H20 O6 . C7 H13 N O4 S)x
CCI PMS

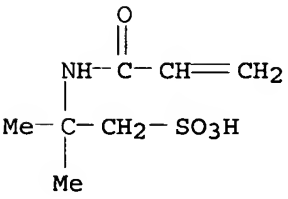
CM 2

CRN 15625-89-5
CMF C15 H20 O6



CM 3

CRN 15214-89-8
CMF C7 H13 N O4 S



L55 ANSWER 16 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:198238 HCAPLUS
DN 128:208785
TI Surfactant-free oil-in-water emulsion topical composition containing poly(2-acrylamido-2-methylpropanesulfonic acid)
IN Sebillotte, Arnaud Laurence; Lorant, Raluca
PA L'Oreal S. A., Fr.
SO Fr. Demande, 16 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI	FR 2750327	A1	19980102	FR 1996-8109	19960628
	FR 2750327	B1	19980814		
	EP 815844	A1	19980107	EP 1997-401254	19970604
	EP 815844	B1	19981125		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	ES 2127653	T3	19990416	ES 1997-401254	19970604
	JP 10067685	A2	19980310	JP 1997-169242	19970625
	JP 3167645	B2	20010521		
	BR 9702541	A	19980929	BR 1997-2541	19970627
	RU 2141812	C1	19991127	RU 1997-110872	19970627
	US 5879718	A	19990309	US 1997-885595	19970630
PRAI	FR 1996-8109	A	19960628		

AB The title cosmetic and/or dermatol. oil-in-water emulsion contains ≥1 crosslinked poly(2-acrylamido-2-methylpropanesulfonic acid) which is ≥90% neutralized. The compns. may be used in **hair** prepns. and skin care products as well as in cosmetics, sunscreen, and non-therapeutic cosmetic treatments for skin. Thus, 2-acrylamido-2-methylpropansulfonic was polymerized and crosslinked with trimethylolpropane triacrylate in the presence of NH3 to give a neutralized, crosslinked polymer having hydrodynamic radius 440 nm in aqueous solution A moisturizing cream was prepared from a water-in-oil emulsion containing the prepared polymer, glycerin, almond oil, and cyclomethicone. The obtained cream was gelled, white, and homogeneous.

IC ICM A61K007-48
ICS A61K007-06; A61K007-02; A61K007-42; A61K007-04; A61K009-107

CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 38, 63

ST cosmetic emulsion crosslinked polyacrylamidomethylpropanesulfonate; skin emulsion crosslinked polyacrylamidomethylpropanesulfonate; surfactant free polyacrylamidomethylpropanesulfonate cosmetic emulsion

IT Skin preparations (pharmaceutical)
(astringents, for oily skin; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(depilatories; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(emulsions; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(moisturizers; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(skin-lightening; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))

IT Crosslinking agents
Hair preparations
Sunscreens
(surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))

IT 15625-89-5, Trimethylolpropane triacrylate
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agent; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))

IT **201338-10-5P**
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(Uses)
(surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))

IT **201338-10-5P**
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))

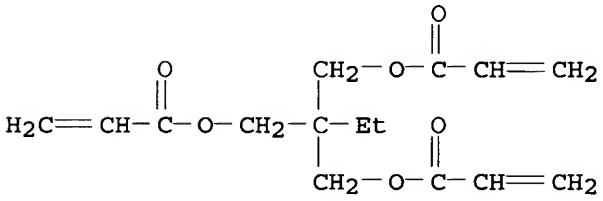
RN 201338-10-5 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2
CMF (C15 H20 O6 . C7 H13 N O4 S)x
CCI PMS

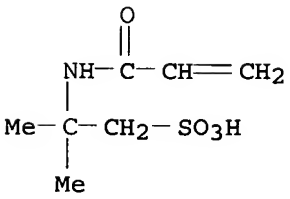
CM 2

CRN 15625-89-5
CMF C15 H20 O6



CM 3

CRN 15214-89-8
CMF C7 H13 N O4 S



L55 ANSWER 17 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:198237 HCAPLUS
DN 128:208784
TI Cosmetic and/or dermatological acid composition containing poly(2-acrylamido-2-methylpropane sulfonic acid) crosslinked and neutralized to at least 90%
IN Dupuis, Christine; Hansenne, Isabelle; Maubru, Mireille; Sebillotte, Arnaud Laurence; Lorant, Raluca

PA L'Oreal S. A., Fr.
SO Fr. Demande, 19 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2750326	A1	19980102	FR 1996-8108	19960628
	FR 2750326	B1	19980731		
	EP 815845	A1	19980107	EP 1997-401255	19970604
	EP 815845	B1	20000126		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	AT 189117	E	20000215	AT 1997-401255	19970604
	ES 2144831	T3	20000616	ES 1997-401255	19970604
	JP 10067616	A2	19980310	JP 1997-170758	19970626
	JP 2941234	B2	19990825		
	CA 2209430	AA	19971228	CA 1997-2209430	19970627
	BR 9702539	A	19980929	BR 1997-2539	19970627
	RU 2167642	C2	20010527	RU 1997-110873	19970627
	US 6468549	B1	20021022	US 1997-885167	19970630
PRAI	FR 1996-8108	A	19960628		

AB Cosmetic and/or dermatol. compns. having an aqueous acid medium contain ≥1 poly(2-acrylamido-2-methylpropanesulfonate) which is crosslinked and ≥90% neutralized. The compns. are characterized in that the pH of the aqueous medium ≤5 and preferably 1-4 and the polymer is crosslinked with ≥1 monomer having ≥2 olefinic double bonds. The compns. may be used in shampoos or **hair**-care products; hygienic products; cosmetics; sunscreens; non-therapeutic cosmetics for the skin, scalp, eyelashes, eyebrows, nails or mucus membranes; or non-therapeutic products for depigmentation of the face or body. The compns. may also be used to thicken or form gels for dermatol. ointments. Thus, 2-acrylamido-2-methylpropanesulfonic acid was polymerized and neutralized with NH3 and then crosslinked with trimethylolpropane triacrylate to give a neutralized crosslinked polymer having hydrodynamic radius 440 nm. The prepared crosslinked polymer was used to prepare a thick, transparent stable gel sunscreen.

IC ICM A61K007-48
ICS A61K007-06; A61K007-02; A61K007-42; A61K007-16; A61K009-06; A61K047-32; A61K007-04
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 37, 38, 63
ST polyacrylamidomethylpropanesulfonate crosslinked neutralized cosmetic dermatol compn
IT Cosmetics
(antiaging; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT Drug delivery systems
(buccal; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT Bath preparations
(douches; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hydroxy, active organic acid; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Crosslinking
Crosslinking agents
(in preparation of neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT Cosmetics
(moisturizers; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT Insect repellents
(mosquito; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT Cosmetics
Hair preparations
Mouthwashes
Shampoos
Skin preparations (pharmaceutical)
Sunscreens
(neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT Drug delivery systems
Drug delivery systems
(ointments, gels; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT Drug delivery systems
(ointments; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT Cosmetics
(skin-lightening; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT 50-81-7, Ascorbic acid, biological studies 65-85-0, Benzoic acid, biological studies 69-72-7D, Salicylic acid, derivs. 77-92-9, Citric acid, biological studies 80-69-3, Tartronic acid 87-69-4, Tartaric acid, biological studies 90-64-2, Mandelic acid 104-98-3, Urocanic acid 110-17-8, Fumaric acid, biological studies 302-79-4D, Retinoic acid, derivs. 331-39-5 501-30-4, Kojic acid 526-95-4, Gluconic acid 685-73-4, Galacturonic acid 828-01-3 6915-15-7, Malic acid 17812-24-7, Ribonic acid 17941-34-3, Aleuritic acid 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic acid 56039-58-8 92761-26-7
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(active organic acid; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT 15625-89-5, Trimethylolpropane triacrylate
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agent; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT **201338-10-5P**, 2-Acrylamido-2-methylpropanesulfonic acid-trimethylolpropane triacrylate copolymer ammonium salt
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)
IT **201338-10-5P**, 2-Acrylamido-2-methylpropanesulfonic acid-trimethylolpropane triacrylate copolymer ammonium salt
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for

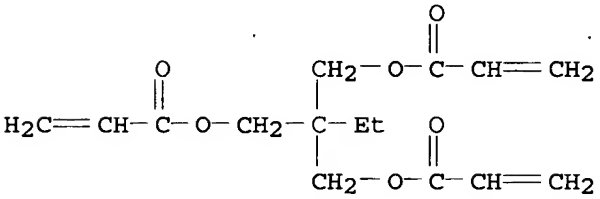
cosmetic and/or dermatolog. compns. in aqueous acid medium)
RN 201338-10-5 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2
CMF (C15 H20 O6 . C7 H13 N O4 S)x
CCI PMS

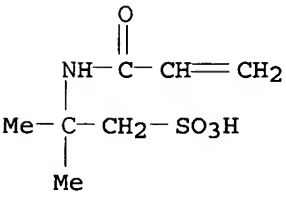
CM 2

CRN 15625-89-5
CMF C15 H20 O6



CM 3

CRN 15214-89-8
CMF C7 H13 N O4 S



L55 ANSWER 18 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:186532 HCAPLUS
DN 128:248343
TI Oxidative gel and uses for dyeing, for permanent deformation, or for decoloration of **hair**
IN Maubru, Mireille
PA L'Oreal, Fr.
SO Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 829258	A1	19980318	EP 1997-402050	19970903
	EP 829258	B1	19990303		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

FR 2753372	A1	19980320	FR 1996-11318	19960917
FR 2753372	B1	19981030		
ES 2131986	T3	19990801	ES 1997-402050	19970903
JP 10101532	A2	19980421	JP 1997-251168	19970916
JP 2965533	B2	19991018		
US 6180118	B1	20010130	US 1997-931561	19970916
CA 2214452	AA	19980317	CA 1997-2214452	19970917
CA 2214452	C	20021210		
PRAI FR 1996-11318	A	19960917		

AB A cosmetic and/or dermatol. composition for treating **keratin** materials, especially **hair**, is characterized in that in contains ≥1 2-acrylamido-2-methylpropanesulfonic acid (I) polymer which is crosslinked and ≥90% neutralized and ≥1 oxidant selected from hydrogen peroxide and compds. which can produce hydrogen peroxide upon hydrolysis. The polymer is used as a thickening or gelling agent, increasing the shelf life or stability of the composition Thus, I was polymerized and crosslinked with trimethylolpropane triacrylate and neutralized with NH3 to give a crosslinked neutralized I polymer. Use of the crosslinked I in a permanent deformation composition containing H2O2 improved the stability and shelf life of the composition compared with a standard gel based on Carbopol.

IC ICM A61K007-13
ICS A61K007-135; A61K007-48; A61K007-06

CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 37, 38

ST oxidative gel **hair** prepn stability; crosslinked neutralized polyacrylamidomethylpropanesulfonate thickener **hair** prepn; dye **hair** oxidative gel stability; decoloration **hair** gel stability

IT **Hair** preparations
(decolorizers; oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT **Hair** preparations
(dyes, oxidative, gel; oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT Crosslinking agents
(for poly(acrylamidomethylpropanesulfonic acid); oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT **Hair** preparations
Hair preparations
(gels; oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT Peroxysulfates
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT Group IIIA element compounds
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(perborates; oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT **Hair** preparations
(permanent wave; oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT 27119-07-9D, 2-Acrylamido-2-methylpropanesulfonic acid polymer, salts

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(crosslinked; oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT 124-43-6 7722-84-1, Hydrogen peroxide, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT **201338-10-5P**, 2-Acrylamido-2-methylpropanesulfonic acid-trimethylolpropane triacrylate copolymer ammonium salt
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

IT **201338-10-5P**, 2-Acrylamido-2-methylpropanesulfonic acid-trimethylolpropane triacrylate copolymer ammonium salt
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oxidative gels for dyeing, permanents, and decoloration of **hair** with improved shelf life)

RN 201338-10-5 HCAPLUS

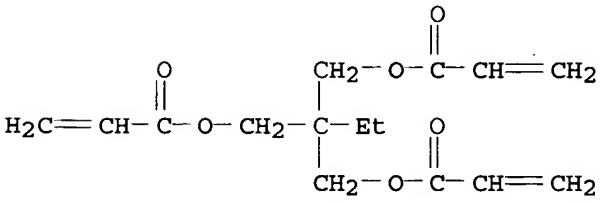
CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2
CMF (C15 H20 O6 . C7 H13 N O4 S)x
CCI PMS

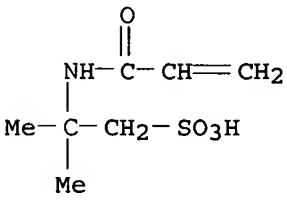
CM 2

CRN 15625-89-5
CMF C15 H20 O6



CM 3

CRN 15214-89-8
CMF C7 H13 N O4 S



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L55 ANSWER 19 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:55496 HCAPLUS
DN 128:132258
TI Topical cosmetic compositions containing crosslinked and at least 90% neutralized poly(2-acrylamido-2-methylpropanesulfonic acid)
IN Dupuis, Christine; Hansenne, Isabelle; Maubru, Mireille; Sebillotte-Arnaud, Laurence; Lorant, Raluca
PA L'Oreal, Fr.; Dupuis, Christine; Hansenne, Isabelle; Maubru, Mireille; Sebillotte-Arnaud, Laurence; Lorant, Raluca
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9800094	A1	19980108	WO 1997-FR1098	19970618
	W: BR, CA, JP, KR, PL, RU, US				
	FR 2750325	A1	19980102	FR 1996-8107	19960628
	FR 2750325	B1	19980731		
	EP 815828	A1	19980107	EP 1997-401400	19970618
	EP 815828	B1	19990224		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	CA 2227975	AA	19980108	CA 1997-2227975	19970618
	JP 10511703	T2	19981110	JP 1997-503870	19970618
	AT 176863	E	19990315	AT 1997-401400	19970618
	ES 2131428	T3	19990716	ES 1997-401400	19970618
	BR 9706550	A	19990720	BR 1997-6550	19970618
	RU 2152780	C2	20000720	RU 1998-105687	19970618
	JP 3115001	B2	20001204	JP 1998-503870	19970618
	US 6120780	A	20000919	US 1998-29514	19981027
PRAI	FR 1996-8107	A	19960628		
	WO 1997-FR1098	W	19970618		

AB The use of crosslinked and at least 90% neutralized poly(2-acrylamido-2-methylpropanesulfonic acid) polymers is described. The invention concerns particularly the use of these polymers as thickening and/or gelling agents in cosmetic and/or dermatol. compns. Thus, a copolymer (I) was prepared by the reaction of ammonium 2-acrylamido-2-methylpropanesulfonate and trimethylolpropane triacrylate. A moisturizing gel contained I 1.5, glycerin 3, EtOH 20 and water to 100 g.
IC ICM A61K007-06
ICS A61K007-48
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 63
ST cosmetic polyacrylamidomethylpropanesulfonate crosslinked prepn
IT Cosmetics

Cosmetics
(cleansing creams; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(creams, moisturizers; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Bath preparations
(douches; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(emollients; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(esters; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Glycols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(ethers; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(eyebrow pencils; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
Hair preparations
Hair preparations
Sunscreens
Sunscreens
(gels; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Ethers, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(glycol; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(hand creams; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(moisturizers, creams; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(moisturizers, gels; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(nail lacquers; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(polyhydric; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))
IT Antioxidants
Bath preparations
Cosmetics
Gelation agents
Mouthwashes
Perfumes

Sequestering agents
Shampoos
Surfactants
Thickening agents
(topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Alcohols, biological studies
Antibacterial agents
Ceramides
Insect repellents
Polymers, biological studies
Polyoxyalkylenes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Drug delivery systems
(topical; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT 50-70-4D, Sorbitol, derivs. 57-55-6D, 1,2-Propanediol, esters or ethers, biological studies 652-67-5D, Isosorbide, alkyl derivs. 25322-68-3
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT **202000-47-3P**
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

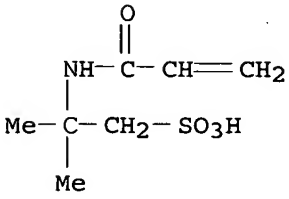
IT 121601-27-2, Cosmedia HSP 1160
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT **202000-47-3P**
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

RN 202000-47-3 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monoammonium salt (9CI) (CA INDEX NAME)

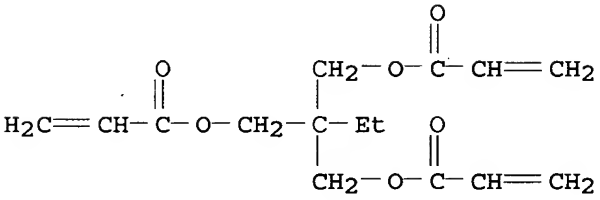
CM 1

CRN 58374-69-9
CMF C7 H13 N O4 S . H3 N



CM 2

CRN 15625-89-5
CMF C15 H20 O6



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L55 ANSWER 20 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1993:455703 HCAPLUS
DN 119:55703
TI Coacervated highly absorptive polymers as carriers for biologically active agents
IN Gressani, Tina M.; Klein, William L.
PA Dow Corning Corp., USA
SO U.S., 18 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 5208038	A	19930504	US 1989-448024	19891208
PRAI US 1989-448024		19891208		

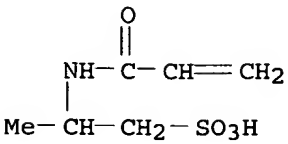
AB A composition which may be used as a carrier or adsorbent for cosmetic agents and drugs comprises discrete particles of a highly crosslinked macroporous hydrophobic polymer. The particles are of a first predetd. average diameter and mixed with a coacervating agent to cause the polymer particles to form dense clusters of coacervated particles of a second predetd. average diameter A hydrophobic porous copolymer of ethylene glycol dimethacrylate and lauryl methacrylate was prepared by a precipitation polymerization method. The polymer particles were mixed with dimethylcyclosiloxane fluid (as active ingredient) to

entrap the active ingredient and a coacervating agent mixture of ceresin wax, stearoxydimethicone wax, and D&C green number 6 dye was added. The resulting coacervated particles were suitable to be incorporated into shampoo formulations.

IC ICM A61K009-16
ICS A61K009-18
INCL 424489000
CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 35, 63
ST methacrylate polymer particle coacervate cosmetic; drug carrier coacervated methacrylate polymer particle
IT Cosmetics
Hair preparations
Shampoos
(coacervated macroporous hydrophobic methacrylate polymers as carriers in)
IT Dyes
(coacervating agents containing, in preparation of macroporous hydrophobic methacrylate polymers as carriers for biol. active agents)
IT Ceresin
Paraffin waxes and Hydrocarbon waxes, uses
Siloxanes and Silicones, uses
Waxes and Waxy substances
RL: PREP (Preparation)
(coacervating agents in preparation of macroporous hydrophobic methacrylate polymers as carriers for biol. active agents)
IT Pharmaceutical dosage forms
(topical, coacervated macroporous hydrophobic methacrylate polymers as carriers in)
IT 128-80-3
RL: BIOL (Biological study)
(coacervating agents containing, in preparation of macroporous hydrophobic methacrylate polymers as carriers for biol. active agents)
IT 9003-70-7P, Styrene-divinylbenzene copolymer 25053-81-0P 25777-71-3P 26374-17-4P 26374-18-5P 26658-84-4P 26794-61-6P 27290-36-4P, Styrene-tetraethylene glycol dimethacrylate copolymer 28377-02-8P 57033-35-9P 61181-08-6P 61181-17-7P, Isobornyl methacrylate-tetraethylene glycol dimethacrylate copolymer 61181-26-8P, Diacetone acrylamide-tetraethylene glycol dimethacrylate copolymer 61181-28-0P, Diacetone acrylamide-ethylene glycol dimethacrylate copolymer 61181-29-1P, Ethylene glycol dimethacrylate-lauryl methacrylate copolymer 69638-62-6P 84110-79-2P 84110-81-6P 100328-55-0P, Isodecyl methacrylate-tetraethylene glycol dimethacrylate copolymer 123450-07-7P 130166-58-4P, Phenoxyethyl methacrylate-tetraethylene glycol dimethacrylate copolymer 131577-53-2P 131577-54-3P 131577-55-4P **131577-56-5P** 131649-37-1P 148658-41-7P 148658-42-8P
RL: PREP (Preparation)
(preparation of, as carrier for cosmetic agents and drugs)
IT **131577-56-5P**
RL: PREP (Preparation)
(preparation of, as carrier for cosmetic agents and drugs)
RN 131577-56-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with 2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

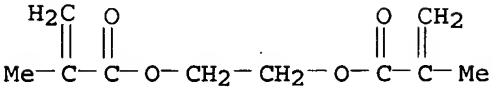
CM 1

CRN 33028-26-1
CMF C6 H11 N O4 S



CM 2

CRN 97-90-5
CMF C10 H14 O4



L55 ANSWER 21 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1989:218831 HCAPLUS
DN 110:218831
TI Crosslinked acrylamide-diethylaminoethyl methacrylate copolymers and their use as thickening agents for cosmetics
IN Bhattacharyya, Bhupati R.
PA Nalco Chemical Co., USA
SO U.S., 5 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

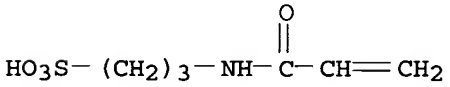
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4806345	A	19890221	US 1985-800471	19851121
	US 4806345	C1	20010206		
	CA 1292187	A1	19911119	CA 1986-521193	19861023
PRAI	US 1985-800471	A	19851121		

AB A personal care composition contains an aqueous base, ≥1 cosmetically active agents, and up to 1.0% by weight of a thickening agent comprising a lightly crosslinked cationic vinyl addition polymer derived from the polymerization of 5-100 mol% cationic vinyl addition monomer, 0-90 mol% acrylamide, and 0.005-0.05% by weight difunctional vinyl addition monomer. The cationic vinyl addition monomer is quaternized (dimethylamino)ethyl methacrylate. The viscosities of aqueous solns. of polymers were measured at various polymer concns.; particularly the presence of polyethylene glycol diacrylic ester showed the desired short rheol. properties at low use levels without pititous characteristics. A polymer comprising 50 mol% MeCl-quaternized (dimethylamino)ethyl methacrylate, 50 mol% acrylamide, and 0.01% by weight PEG-600 dimethacrylate had a viscosity of 2375.00, 33,000.00, 89,000.00, >100,000.00 cps at concns. of 0.18, 0.35, 0.7, and 1.05% by weight, resp., in aqueous solution This polymer was incorporated in both a leave-on **hair** treatment and in a rinse-off **hair** treatment at 1% by weight and good setting was obtained for both; when tested in a hand lotion, a very creamy viscous lotion with good skin feel was obtained. For a conventional thickening agent, i.e. Carbopol-934, the viscosities were 2400, 17,000, 33,000, and 50,000 cps at concns. of 0.2, 0.4, 0.5, and 1.0%

by weight, resp.
IC ICM A61K007-06
ICS A61K007-08; A61K007-48
INCL 424070000
CC 62-4 (Essential Oils and Cosmetics)
ST thickener cosmetic crosslinked cationic vinyl polymer; dimethylaminoethyl methacrylate quaternized copolymer cosmetic thickener; trimethylammonioethyl methacrylate acrylamide polymer cosmetic thickener
IT Thickening agents
(crosslinked acrylamide-quaternized dimethylaminoethyl methacrylate copolymers as)
IT Cosmetics
Hair preparations
(thickening agents for, crosslinked acrylamide-quaternized (dimethylamino)ethylmethacrylate copolymers as)
IT 71880-64-3 **120619-59-2** 120619-60-5 120641-64-7
RL: BIOL (Biological study)
(crosslinked, thickening agent, for cosmetics)
IT **120619-59-2**
RL: BIOL (Biological study)
(crosslinked, thickening agent, for cosmetics)
RN 120619-59-2 HCAPLUS
CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl), 3-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and 2-propenamide (9CI) (CA INDEX NAME)

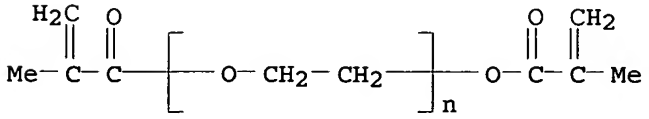
CM 1

CRN 70502-43-1
CMF C6 H11 N O4 S . Na



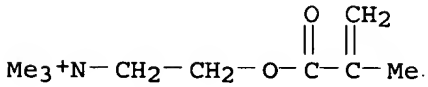
CM 2

CRN 25852-47-5
CMF (C2 H4 O)n C8 H10 O3
CCI PMS



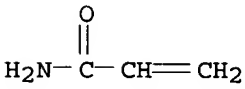
CM 3

CRN 5039-78-1
CMF C9 H18 N O2 . Cl



CM 4

CRN 79-06-1
CMF C3 H5 N O



L55 ANSWER 22 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1982:148974 HCAPLUS
DN 96:148974
TI Resin compositions for **hair** conditioning
PA Kao Soap Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

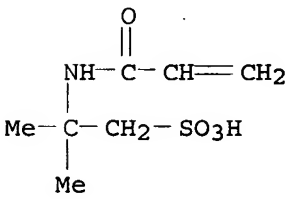
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 56166109	A2	19811221	JP 1980-70408	19800527
PRAI JP 1980-70408	A	19800527		

AB **Hair** sprays for curl maintenance at high temperature and humidity contain copolymers of sulfonyl vinyl monomers 5-50, C1-3 aliphatic acrylates 5-60, C4-18 aliphatic acrylates 5-60, and OH-containing vinyl monomers 5-50% by weight Thus, 2-acrylamido-2-methylpropanesulfonic acid 60, Me methacrylate 40, Et methacrylate 30, iso-Bu acrylate 20, lauryl methacrylate 50, and 2-hydroxyethyl methacrylate 40 g in 560 g EtOH were polymerized in the presence of 2.5 g benzoyl peroxide under N at 80° for 5 h. The polymer was used in an aerosol **hair** spray.
IC A61K007-06
CC 62-3 (Essential Oils and Cosmetics)
ST **hair** spray acrylic polymer
IT Acrylic polymers, biological studies
RL: PREP (Preparation)
(preparation of, for **hair** sprays)
IT **Hair** preparations
(sprays, acrylic copolymers preparation for)
IT **81359-58-2P 81359-59-3P** 81359-60-6P
RL: PREP (Preparation)
(preparation of, for **hair** sprays)

IT **81359-58-2P 81359-59-3P**
RL: PREP (Preparation)
(preparation of, for **hair** sprays)
RN 81359-58-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with 1,1-dimethylethyl 2-propenoate, ethyl 2-methyl-2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

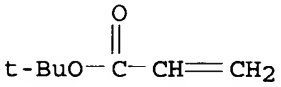
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



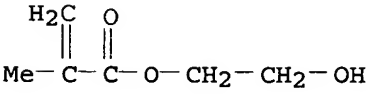
CM 2

CRN 1663-39-4
CMF C7 H12 O2



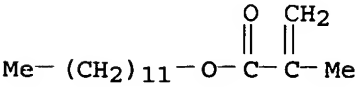
CM 3

CRN 868-77-9
CMF C6 H10 O3



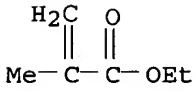
CM 4

CRN 142-90-5
CMF C16 H30 O2



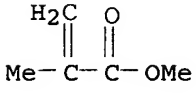
CM 5

CRN 97-63-2
CMF C6 H10 O2



CM 6

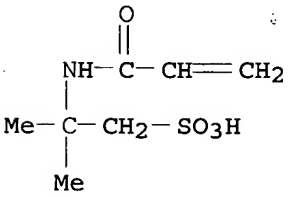
CRN 80-62-6
CMF C5 H8 O2



RN 81359-59-3 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, butyl ester, polymer with dodecyl 2-methyl-2-propenoate, 2-hydroxyethyl 2-propenoate, methyl 2-methyl-2-propenoate and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

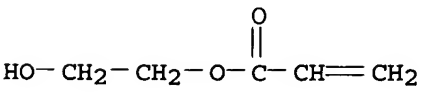
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



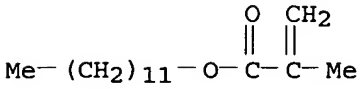
CM 2

CRN 818-61-1
CMF C5 H8 O3



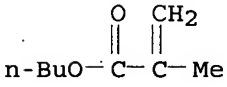
CM 3

CRN 142-90-5
CMF C16 H30 O2



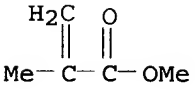
CM 4

CRN 97-88-1
CMF C8 H14 O2



CM 5

CRN 80-62-6
CMF C5 H8 O2



L55 ANSWER 23 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1975:536720 HCAPLUS
DN 83:136720
TI Acrylate sulfonate polymers for **hair** sprays
PA Sanyo Chemical Industries Ltd., Japan
SO Fr. Demande, 18 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

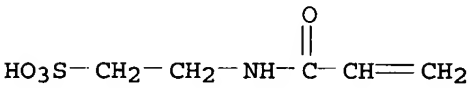
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 2238474	A1	19750221	FR 1973-27329	19730726
PRAI FR 1973-27329	A	19730726		

AB Hydrophilic polymers containing acrylates (e.g., Me acrylate, Et methacrylate) and a sulfonyl containing compound (e.g., Na vinyl sulfoacetate) were utilized in **hair** spray to impart improved luster, wave maintenance, and resistance to humidity. Thus, sulfopropyl methacrylate 140, Et methacrylate 200, hydroxyethyl methacrylate 170, Et acrylate 430, EtOH 700, and azobis(dimethylvaleronitrile) 5 g were mixed and worked up to give (99%) acrylate polymer [52640-05-8] in EtOH. The polymer (2 g) was mixed with CFCl3, CCl2F2, and perfume and placed in an atomizer for spraying the **hair**.
IC A61K
CC 62-3 (Essential Oils and Cosmetics)

ST acrylate sulfonate polymer **hair** spray
IT **Hair**
(sprays for, acrylate-sulfonate polymers for)
IT 52640-01-4P **52640-02-5P** 52640-04-7P 52640-05-8P
52640-07-0P 56631-86-8P
RL: PREP (Preparation)
(preparation of, for **hair** sprays)
IT **52640-02-5P**
RL: PREP (Preparation)
(preparation of, for **hair** sprays)
RN 52640-02-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, ethyl ester, polymer with ethyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and 2-[(1-oxo-2-propenyl)amino]ethanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

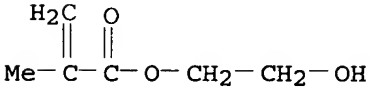
CM 1

CRN 3361-39-5
CMF C5 H9 N O4 S . Na



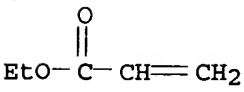
CM 2

CRN 868-77-9
CMF C6 H10 O3



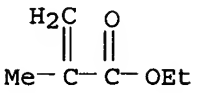
CM 3

CRN 140-88-5
CMF C5 H8 O2



CM 4

CRN 97-63-2
CMF C6 H10 O2



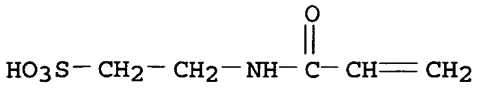
L55 ANSWER 24 OF 24 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1974:137147 HCAPLUS
DN 80:137147
TI **Hair** sprays
IN Fujimoto, Takehiko; Kakehi, Tetsuo; Susaki, Kazumichi
PA Sanyo Chemical Industries Ltd.
SO Ger. Offen., 21 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2342683	A1	19740321	DE 1973-2342683	19730823
	DE 2342683	B2	19741212		
	DE 2342683	C3	19790405		
	JP 49036835	A2	19740405	JP 1972-84854	19720824
	GB 1435549	A	19760512	GB 1973-38873	19730816
	US 3937802	A	19760210	US 1973-390848	19730823
PRAI	JP 1972-84854	A	19720824		

AB **Hair** sprays compns. containing hydrophilic sulfonate group-containing copolymers, e.g. Na sulfoethylmethacrylate-Et methacrylate-hydroxyethyl methacrylate-Et acrylate copolymer [I, from a 140:350:170:140 g monomer mixture, viscosity 43,000 cP (50% in EtOH at 25°)] gave lustrous, nonsticky **hair** with curl retention ≤96%, no dandruff formation, and Sward-Rocker hardness ≤ 50 and ≤ 60 at 65 and 40% relative humidity, resp.
IC A61K
CC 62-3 (Essential Oils and Cosmetics)
ST **hair** spray sulfonated polyacrylate
IT **Hair**
(sprays for, sulfonated acrylate polymers in)
IT 52640-01-4 **52640-02-5** 52640-04-7 52640-05-8 52640-06-9
52640-07-0 52655-84-2
RL: BIOL (Biological study)
(for **hair** sprays)
IT **52640-02-5**
RL: BIOL (Biological study)
(for **hair** sprays)
RN 52640-02-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, ethyl ester, polymer with ethyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and 2-[(1-oxo-2-propenyl)amino]ethanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

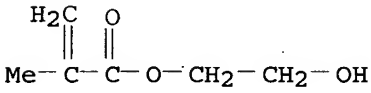
CM 1

CRN 3361-39-5
CMF C5 H9 N O4 S . Na



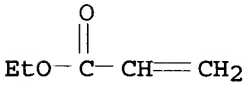
CM 2

CRN 868-77-9
CMF C6 H10 O3



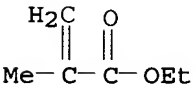
CM 3

CRN 140-88-5
CMF C5 H8 O2



CM 4

CRN 97-63-2
CMF C6 H10 O2



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